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**west virginia** department of environmental protection

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Office of Oil and Gas  
601 57th Street SE  
Charleston, WV 25304  
(304) 926-0450  
(304) 926-0452 fax

Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

August 27, 2013

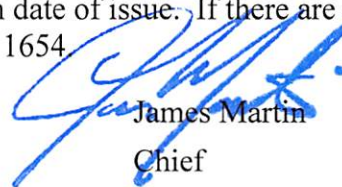
**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-5100123, issued to MCELROY COAL COMPANY, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.



James Martin  
Chief

Operator's Well No: M-1543

Farm Name: GORBY, RILEY & MAUD

**API Well Number: 47-5100123**

**Permit Type: Plugging**

Date Issued: 08/27/2013

**Promoting a healthy environment.**

1) Date July 1, 2013  
2) Operator's  
Well No. M-1543  
3) API Well No. 47-51 - 00123

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil \_\_\_\_/ Gas \_\_\_\_/ Liquid injection \_\_\_\_/ Waste disposal \_\_\_\_/  
(If "Gas, Production \_\_\_\_ or Underground storage \_\_\_\_) Deep \_\_\_\_/ Shallow X

5) Location: Elevation 1331.08' Watershed Unnamed Tributary to Grave Creek  
District Cameron County Marshall Quadrangle Cameron, WV 7.5'

6) Well Operator McElroy Coal Company 7) Designated Agent Adrienne Carney  
Address 6126 Energy Drive Address 6126 Energy Drive  
Moundsville, WV 26041 Moundsville, WV 26041

8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Bill Hendershot Name \_\_\_\_\_  
Address 403 James Street Address \_\_\_\_\_  
Mannington, WV 26582

10) Work Order: The work order for the manner of plugging this well is as follows:

Received

JUL 17 2013

Office of Oil and Gas  
WV Dept. of Environmental Protection

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector \_\_\_\_\_ Date \_\_\_\_\_

## EXHIBIT NO. 1

From the experience and technology developed since 1970 in plugging oil and gas wells for mining through, Consolidation Coal's Northern West Virginia Operations will utilize one of the following two methods to plug all future wells.

4½ VENT PIPE METHOD

- (a) If active well: clean out to total depth and plug back according to state regulations to a minimum of 200 feet below lowest minable coal seam.
- (b) If abandoned well: clean out to first plug 200 feet below lowest minable seam.
- (c) Run 4½ casing from surface to minimum 200 feet below lowest minable seam and circulate 50/50 poz mix cement followed by expanding cement to surface. The expanding cement shall extend from minimum 200 feet below minable coal seam to a point 100 feet above.

The 4½ will remain open from surface to a minimum of 80 feet below that minable coal seam.

SOLID PLUG METHOD

- (a) If active well: clean out to total depth and plug back according to state regulations to a minimum of 200 feet below lowest minable coal seam.
- (b) If an abandoned well: clean out to first plug 200 feet below lowest minable coal seam.
- (c) Circulate through tubing or drill steel an expanding cement plug from a minimum of 200 feet below minable coal seam to a point 100 feet above minable coal.

Circulate through tubing or drill steel 50/50 poz mix from 100 feet above coal seam to surface.

A monument will be installed with API No. and stating "solid plug".

Received

JUL 17 2013



WW-4A  
Revised 6-07

1) Date: July 1, 2013  
2) Operator's Well Number

M-1543

3) API Well No.: 47 - 51 - 00123

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL**

4) Surface Owner(s) to be served:

(a) Name Riley & Maud Gorby  
Address 40 Dexter Avenue  
Moundsville, WV 26041

(b) Name \_\_\_\_\_  
Address \_\_\_\_\_

(c) Name \_\_\_\_\_  
Address \_\_\_\_\_

6) Inspector

Address \_\_\_\_\_  
Telephone \_\_\_\_\_

5) (a) Coal Operator

Name McElroy Coal Company  
Address 6126 Energy Drive  
Moundsville, WV 26041

(b) Coal Owner(s) with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

(c) Coal Lessee with Declaration

Name \_\_\_\_\_  
Address \_\_\_\_\_

**TO THE PERSONS NAMED ABOVE:** You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

Well Operator McElroy Coal Company

By: Adrienne Carney

Its: Project Engineer / Agent

Address 6126 Energy Drive  
Moundsville, WV 26041

Telephone 304-843-3565

**Received**

Subscribed and sworn before me this 1<sup>st</sup> day of July 2013

My Commission Expires Aug 5, 2022

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).



STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GASCONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM  
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGEOperator Name McElroy Coal Company OP Code \_\_\_\_\_Watershed Unnamed Tributary to Grave Creek Quadrangle Cameron, WV 7.5'Elevation 1331.08' County Marshall District CameronDescription of anticipated Pit Waste: N/AWill a synthetic liner be used in the pit? N/A

## Proposed Disposal Method For Treated Pit Wastes:

- ☐ Land Application  
☐ Underground Injection ( UIC Permit Number \_\_\_\_\_ )  
☐ Reuse (at API Number \_\_\_\_\_ )  
☐ Off Site Disposal (Supply form WW-9 for disposal location)  
☒ Other (Explain See Attached Letter)

## Proposed Work For Which Pit Will Be Used:

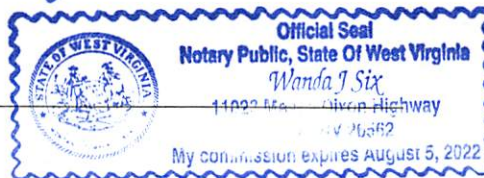
- ☐ Drilling  
☐ Workover  
☐ Other (Explain \_\_\_\_\_)
- ☐ Swabbing  
☒ Plugging

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature Adrienne CarneyCompany Official (Typed Name) Adrienne CarneyCompany Official Title Senior Project Engineer

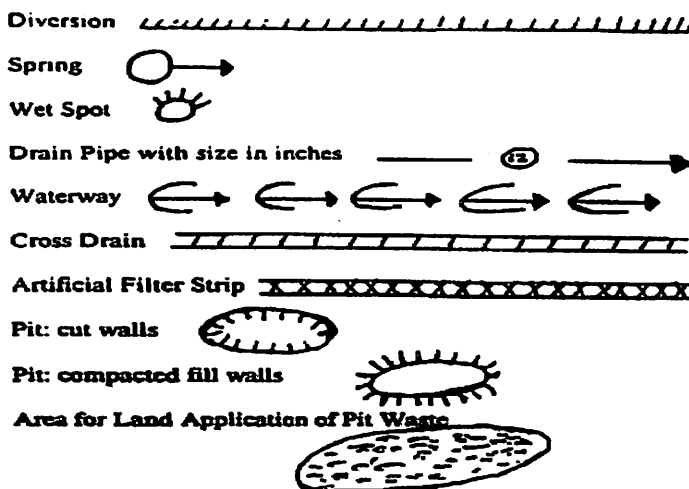
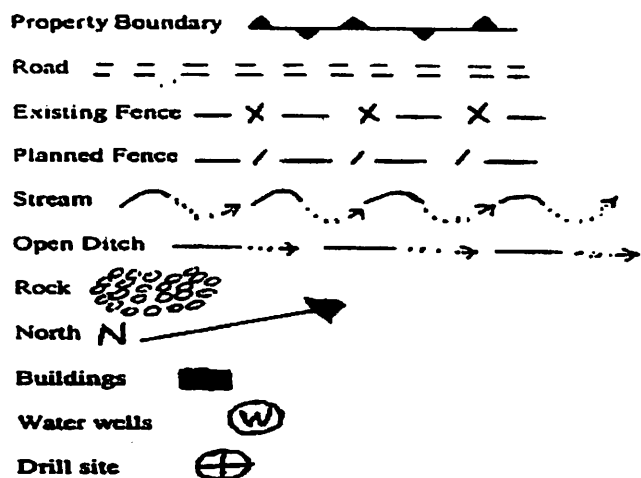
Received

Subscribed and sworn before me this 1<sup>st</sup> day of July, 2013 JUL 17 2013Office of Oil and Gas  
Notary Public, Environmental ProtectionMy commission expires Aug 5, 2022

51-00123 P

Operator's Well No. M-1543

## LEGEND



Proposed Revegetation Treatment: Acres Disturbed \_\_\_\_\_ Prevegetation pH \_\_\_\_\_

Lime \_\_\_\_\_ Tons/acre or to correct to pH \_\_\_\_\_

Fertilizer (10-20-20 or equivalent) \_\_\_\_\_ lbs/acre (500 lbs minimum)

Mulch \_\_\_\_\_ Tons/acre

## Seed Mixtures

Seed Type	Area I		Seed Type	Area II	
		lbs/acre			lbs/acre
_____			_____		
_____			_____		
_____			_____		

Attach:

Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: \_\_\_\_\_

Comments: \_\_\_\_\_

Received

JUL 17 2013

Title: \_\_\_\_\_

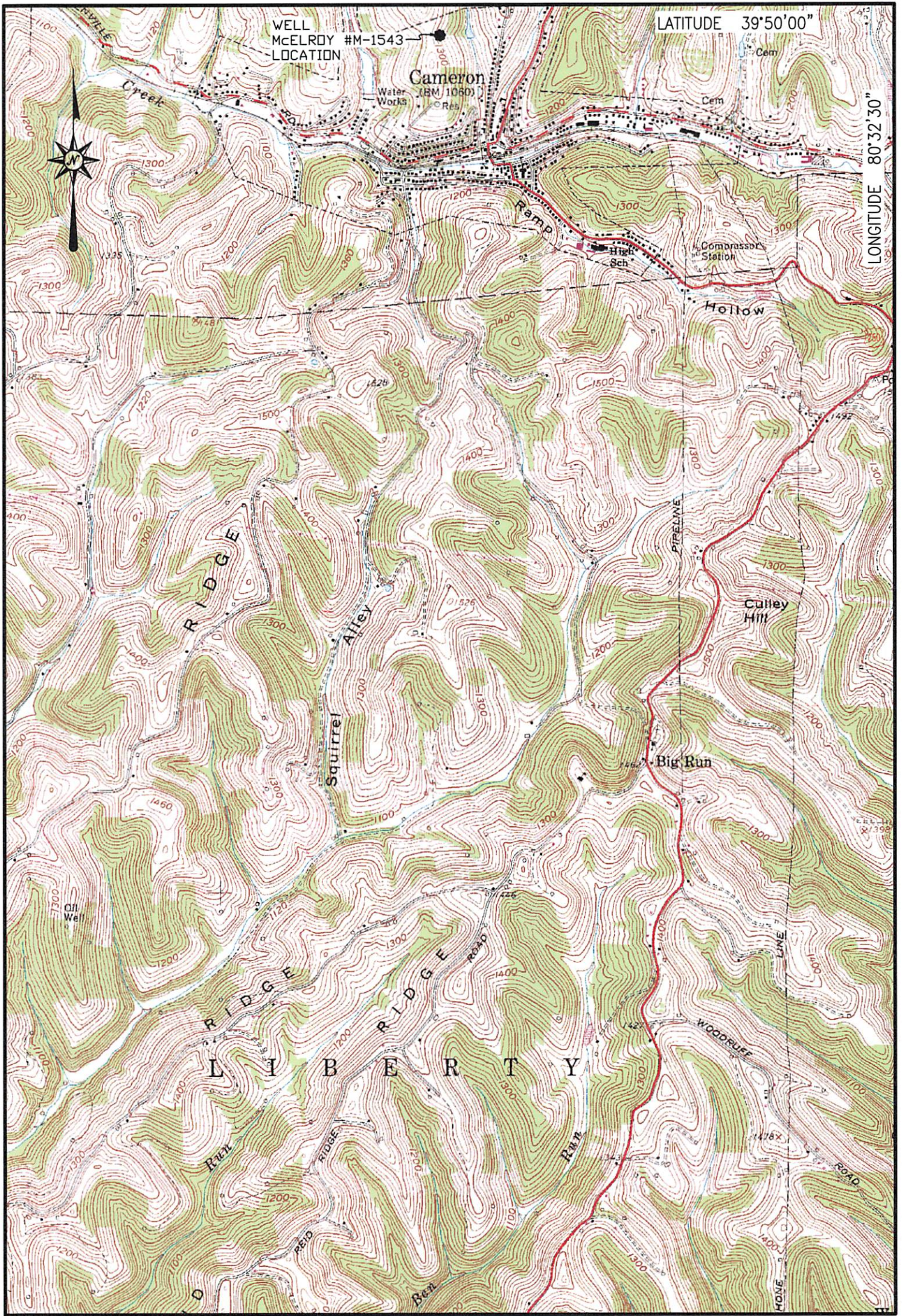
Date: \_\_\_\_\_

Office of Oil and Gas  
WV Dept. of Environmental Protection

Field Reviewed? ( ) Yes ( ) No



51-00123 P



**Blue Mountain Engineering**  
11023 MASON DIXON HIGHWAY  
BURTON, WV 26562  
PHONE: (304) 662-6486

McELROY WELL # M-1543  
CAMERON QUADRANGLE  
WEST VIRGINIA

LOCATION MAP  
JULY 1, 2013

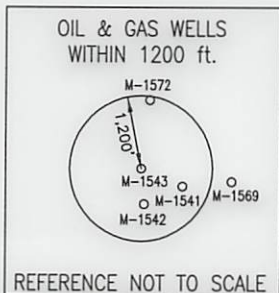
SCALE 1" = 2000'

0'	2000'	4000'	6000'
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# BLUE MOUNTAIN ENGINEERING

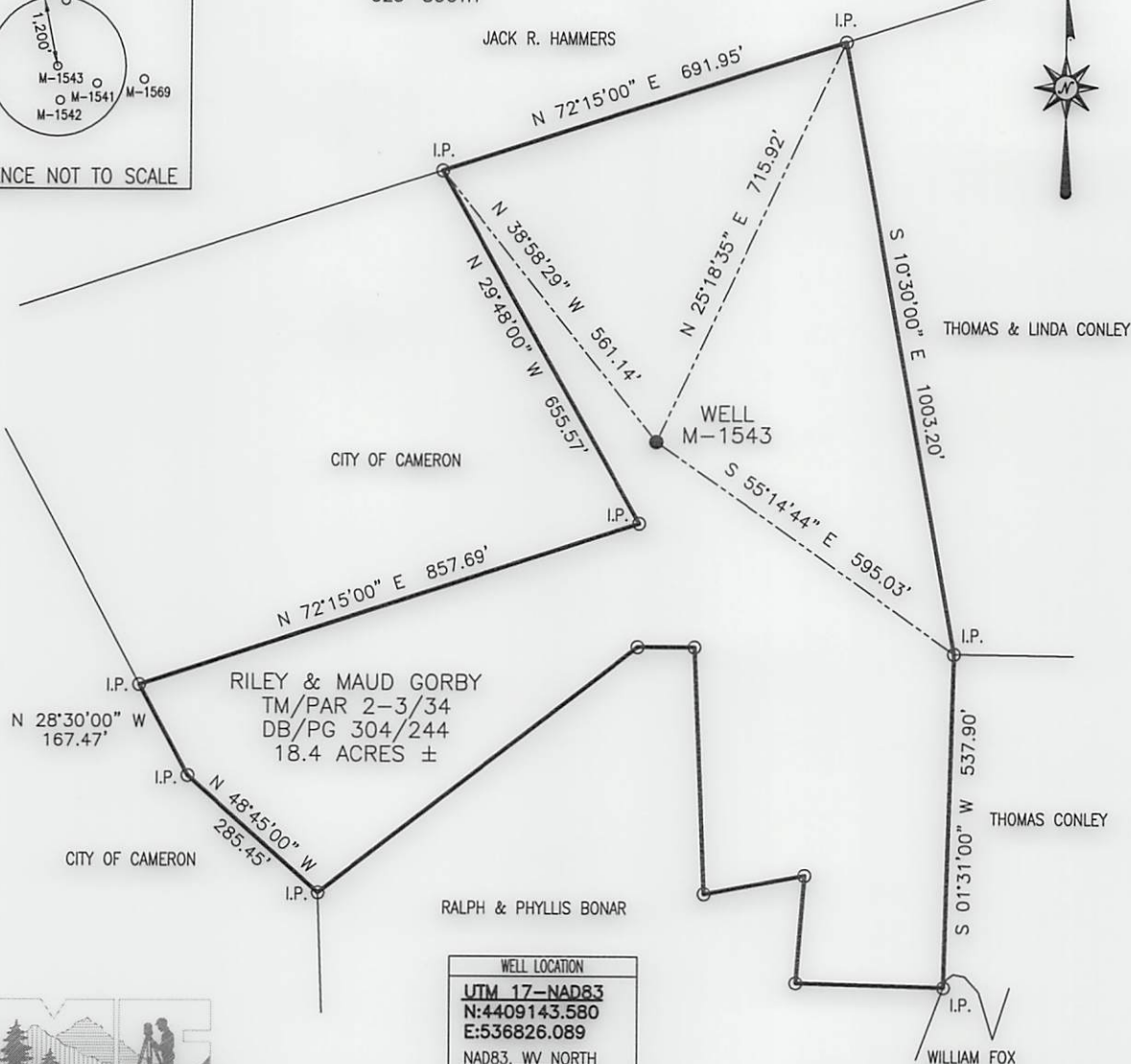




COORDINATES:  
7854' WEST  
523' SOUTH

LATITUDE 39°50'00"

LONGITUDE 80°32'30"



**Blue Mountain Engineering**  
11023 MASON DIXON HIGHWAY  
BURTON, WV 26562  
PHONE: (304) 662-6486

WELL LOCATION  
UTM 17-NAD83  
N:4409143.580  
E:536826.089  
NAD83, WV NORTH  
N:486760.918  
E:1668115.697  
LAT/LOG DATUM-WGS84  
LAT:39°49'53.00"  
LON:80°34'11.00"

NOTE:  
It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

FILE #: M-1543

DRAWING #: M-1543

SCALE: 1" = 300'

MINIMUM DEGREE  
OF ACCURACY: 1/2500

PROVEN SOURCE  
OF ELEVATION: U.S.G.S. MONUMENT  
THOMAS 1498.81'

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS  
PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND  
BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY  
LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY  
THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed:

R.P.E.:

L.L.S.: P.S. No. 2000



PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON  
UNITED STATES TOPOGRAPHIC MAPS  
WVDEP  
OFFICE OF OIL & GAS  
601 57TH STREET  
CHARLESTON, WV 25304



DATE: JULY 1, 2013

OPERATOR'S WELL #: M-1543

API WELL #: 47 51 00123  
STATE COUNTY PERMIT

Well Type: ☐ Oil ☐ Waste Disposal ☐ Production ☐ Deep  
☐ Gas ☐ Liquid Injection ☐ Storage ☒ Shallow

WATERSHED: UNNAMED TRIBUTARY TO GRAVE CREEK ELEVATION: 1331.08'

COUNTY/DISTRICT: MARSHALL/CAMERON CORPORATION QUADRANGLE: CAMERON, WV-PA 7.5'

SURFACE OWNER: RILEY & MAUD GORBY ACREAGE: 18.4±

OIL & GAS ROYALTY OWNER: ACREAGE:

DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR STIMULATE ☐  
PLUG OFF OLD FORMATION ☐ PERFORATE NEW FORMATION ☐ PLUG & ABANDON ☒  
CLEAN OUT & REPLUG ☐ OTHER CHANGE ☐ (SPECIFY):

TARGET FORMATION: NONE ESTIMATED DEPTH:

WELL OPERATOR McELROY COAL COMPANY

DESIGNATED AGENT ADRIENNE CARNEY

Address 6126 ENERGY DRIVE

Address 6126 ENERGY DRIVE

City MOUNDSVILLE State WV Zip Code 26041

City MOUNDSVILLE State WV Zip Code 26041



51-00123P

OP-77 (05-01)

Record No. \_\_\_\_\_

State of West Virginia  
Department of Environmental Protection  
Charleston, WV 25301

This is to acknowledge that the well: API no. 47-051-00123

District Cameron

Well No M-1543 Farm name E. McConaughey #2 - Riley Gorby property

## Is hereby transferred from:

The transferor Company: Leatherwood, Inc.

Code # 494476721 Address: CNX Center 1000 Consol Energy Drive, Canonsburg, PA 15317-6506

## To:

The transferee Company: McElroy Coal Company

Code # 10950 Address: CNX Center 1000 Consol Energy Drive, Canonsburg, PA 15317-6506

Transfer approval and responsibility for any noncompliance matter not resolved in this document will be addressed in the thirty day circular that will be issued after review of your application for transfer, or as otherwise set forth by agreement with the Chief.

If this well has been out of production for the period in excess of 12 months, the transferee agrees to bring the well into compliance by producing or plugging within 120 days of approval of the application. X Yes    No

The transferee has registered and designated an agent on form OP-1, which is on file with the Office of Oil and Gas. The agent is:

Designated agent (name) Adrienne Carney - Sr. Project Engineer

Address: 6126 Energy Road Moundsville, WV 26041

The transferee has bonded the said well by ( check one ):

Securities ☐ Cash ☐ Surety bond ☒ Letter of credit ☐

## Identified by:

Amount:	\$50,000	Effective date :	May 29, 2008
Issuing authority:	Safeco Insurance Company of America	Id. No:	6542648

Transferor: Leatherwood, Inc.By: Paul W. RambergIts: Vice President

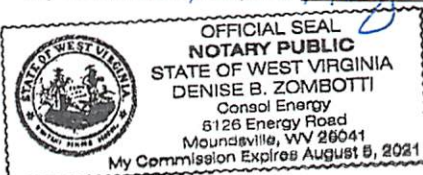
Taken, subscribed and sworn before me this 23 day of JULY 19 2013

Notary Public John M. YoungMy Commission Expires Aug 5, 2021

COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Jane M. Young, Notary Public  
Cecil Twp., Washington County  
My Commission Expires June 20, 2017

Transferee: McElroy Coal CompanyBy: Adrienne CarneyIts: Sr. Project Engineer

Taken, subscribed and sworn before me this 22nd day of July 19 2013

Notary Public Monica D. TardettiMy Commission Expires Aug. 5, 2021

Received

JUL 26 2013  
Office of Oil and Gas  
WV Dept. of Environmental Protection